INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/21235

A. CLASSIFICATION OF SUBJECT MATTER IPC(6) :GO9G 5/00, 5/08, 5/26, 5/34				
US CL: Please See Extra Sheet. According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S.: 345/7, 8, 121, 123, 127-130, 145, 157, 158, 419; 348/53, 63, 64, 115; 382/114				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
A	US 5,442,734 A (MURAKAMI et al)	15 August 1995, Figs. 1, 2.	1-29	
A	US 5,579,026 A (TABATA) 26 November 1996, Fig. 10.		1-29	
Α	US 5,777,715 A (KRUEGLE et al) 07 July 1998, Fig. 1.		1-29	
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Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand				
	cument defining the general state of the art which is not considered be of particular relevance	the principle or theory underlying the	invention	
E earlier document published on or after the international filing date "X" document of particular relevance; the considered novel or cannot be considered novel or cannot be considered.				
cite	cument which may throw doubts on priority claim(s) or which is ed to establish the publication date of another citation or other cial reason (as specified)	when the document is taken alone "Y" document of particular relevance; the considered to involve an inventive		
me	norment referring to an oral disclosure, use, exhibition or other	combined with one or more other such being obvious to a person skilled in t	a documents, such combination fre art	
P document published prior to the international filing date but later than the priority date claimed document member of the same patent family				
Date of the actual completion of the international search 18 NOVEMBER 1999		Date of mailing of the international search report 0 2 FEB 2000		
Name and mailing address of the ISA/US		Authorized officer		
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